



SEQUENCE LISTING

<110> Goulmy, Els A.J.M.
Hunt, Donald F.
Engelhard, Victor H.

<120> HA-1 epitopes and uses thereof

<130> 2183-6047US

<140> 10/623,176

<141> 2003-07-18

<150> 09/489,760

<151> 2000-01-21

<150> EP 97202303.0

<151> 1997-07-23

<150> PCT/NL98/00424

<151> 1998-07-23

<150> JP 2000-504165

<151> 2000-01-24

<160> 77

<170> PatentIn Ver. 2.1

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wherein X can be R or H.

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Lys Glu Cys Val Leu Xaa Asp Asp Leu
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 wherein X can be R or H

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 capable of binding HLA-A2.1

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can be I or L

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peptide candidate m/z 513 wherein X can be L or I

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forward primer

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5

10

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forward primer

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reverse primer

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primer

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Arg

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Lys Leu Lys Glu Cys Val Leu His Asp
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<210> 37
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<400> 37
Lys Leu Lys Glu Cys Val Leu Arg Asp
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<210> 38
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Leu Lys Glu Cys Val Leu His Asp Asp

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1 5

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long HA-1 peptide

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Ala Arg Arg Pro Arg Ala His Glu Cys Leu Gly Glu Ala
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<222> (1)..(27)

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1 5 10 15

Ala Arg Arg Pro Arg Ala His Glu Cys Leu Gly
20 25

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1 5 10 15

Gly Glu Ala

<210> 53
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<220>
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<222> (1)..(22)

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1 5 10 15

Ala Arg Arg Pro Arg Ala
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<210> 54
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Glu Lys Leu Lys Glu Cys Val Leu His Asp Asp Leu Leu
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<211> 25

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<222> (1)..(25)

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Ala Arg Arg Pro Arg Ala His Glu Cys
20 25

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<211> 12

<212> PRT

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<222> (1)..(12)

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<210> 57

<211> 17

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<223> Description of Artificial Sequence: HA-1 peptide

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<222> (1)..(17)

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Gly Leu Glu Lys Leu Lys Glu Cys Val Leu His Asp Asp Leu Leu Glu
 1 5 10 15

Ala

<210> 58
 <211> 10
 <212> PRT
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<220>
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 <222> (1)..(10)

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 1 5 10

<210> 59
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 long HA-1 peptide

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 <222> (1)..(29)

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 1 5 10 15

Ala Arg Arg Pro Arg Ala His Glu Cys Leu Gly Glu Ala
 20 25

<210> 60
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 <222> (1)..(27)

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1 5 10 15

Ala Arg Arg Pro Arg Ala His Glu Cys Leu Gly
20 25

<210> 61

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<220>

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<222> (1)..(28)

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1 5 10 15

Ala Arg Arg Pro Arg Ala His Glu Cys Leu Gly Glu
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<210> 62

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<223> Description of Artificial Sequence: HA-1 peptide

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<221> SITE

<222> (1)..(14)

<400> 62

Gly Leu Glu Lys Leu Lys Glu Cys Val Leu Arg Asp Asp Leu
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<210> 63

<211> 22

<212> PRT

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<223> Description of Artificial Sequence: HA-1 peptide

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<221> SITE

<222> (1)..(22)

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1 5 10 15

Ala Arg Arg Pro Arg Ala
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<210> 64
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1 5 10

<210> 65
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<220>
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<220>
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Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg
1 5 10

<210> 66
<211> 26
<212> PRT
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<220>
<223> Description of Artificial Sequence: HA-1 peptide

<220>
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Gly Leu Glu Lys Leu Lys Glu Cys Val Leu Arg Asp Asp Leu Leu Glu

1	5	10	15
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Ala Arg Arg Pro Arg Ala His Glu Cys Leu
20 25

<210> 67
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<212> PRT
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<220>
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<220>
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1 5 10 15

Ala Arg Arg Pro Arg Ala His Glu Cys
20 25

<210> 68
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<223> Description of Artificial Sequence: HA-1 peptide

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1 5 10

<210> 69
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<400> 69

Gly Leu Glu Lys Leu Lys Glu Cys Val Leu Arg Asp Asp Leu Leu Glu
 1 5 10 15

Ala

<210> 70
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<220>
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<220>
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 <222> (1)..(19)

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 1 5 10 15

Ala Arg Arg

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<220>
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Ala Arg Arg Pro Arg
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<210> 72
 <211> 23
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<220>

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<400> 72
Gly Leu Glu Lys Leu Lys Glu Cys Val Leu Arg Asp Asp Leu Leu Glu
1 5 10 15

Ala Arg Arg Pro Arg Ala His
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<210> 73
<211> 38
<212> DNA
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<220>
<223> Description of Artificial Sequence: KIAA0223
sequence derived from a presumed HA-1 negative
individual

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<210> 74
<211> 13
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<220>
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sequence derived from a presumed HA-1 negative
individual

<220>
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<222> (1)..(13)

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Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg
1 5 10

<210> 75
<211> 38
<212> DNA
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<220>
<223> Description of Artificial Sequence: KIAA0223
sequence derived from a presumed HA-1 homozygous
positive individual

<220>

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<222> (1)..(38)

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38

<210> 76

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<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: KIAA0223
sequence derived from a presumed HA-1 homozygous
positive individual

<220>

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<222> (1)..(13)

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Glu Cys Val Leu His Asp Asp Leu Leu Glu Ala Arg Arg
1 5 10

<210> 77

<211> 9

<212> PRT

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<223> Description of Artificial Sequence: HA-1 peptide

<220>

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Tyr Ile Gly Glu Val Leu Val Ser Val
1 5